

Patent [19]

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[54] DEODORIZER

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To enable using as a thin shaped portable type post-attachment device by especially installing on a dash board in a vehicle, in a deodorizer utilizing activation of an oxidation action due to a photocatalyst represented by titanium oxide, etc.

SOLUTION: This device is constituted to install a photocatalyst filter 1 installed the photocatalyst 1 such as titanium dioxide on the surface 1A, activated the oxidation action by receiving light, and capable of deodorization or air cleaning, and a blower device 2 for blowing the outside air to the photocatalyst filter 1 in a case 3. A light introduction part 4 for introducing light into the photocatalyst filter 1 is provided in the case 3, and many number of ventilation spaces 5 for allowing the blowing air to pass through the photocatalyst filter 1 are constituted to be provided side by side. The surface 1A of the photocatalyst filter 1 coming into contact with the blowing air is made into a large area, and the ventilation direction B of the blowing air through the ventilation space 5 is made to be nearly in the same direction as the irradiation direction A of the light from the light introduction part 4 to the photocatalyst filter 1, and the surface 1A of the photocatalyst filter 1 receiving irradiation of the light is made into a larger surface.

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